

THEO Technologies Multiview Video Player Internship

Leuven, Belgium (Europe)

THEO's vision & mission

[THEOplayer](#) is the industry-leading video playback partner for delivering a world-class viewer experience with HLS and MPEG-DASH across different platforms and devices. With our video player solutions for VR/360, web, mobile web, Android SDK, iOS SDK and Chromecast Receiver App SDK, THEOplayer is a trusted video player partner for some of the world's premier telcos, broadcasters and publishers. THEOplayer has proven compatibility with industry-leading solutions for streaming, advertising, DRM and server side ad insertion. Our worldwide customer base includes companies such as CNN, Telenet, NBC, Twitter, Swisscom, France Télévisions, Telia, CERN, Nasdaq, Hudl, Cisco and Softbank. In 2017, 2018 and 2019 THEOplayer has won the Streaming Media Readers' Choice Award for Best Video Player Solution/SDK. THEO Technologies is one of the fastest growing technology companies in Belgium. We are an ambitious team who have been disrupting the global online video industry since 2012. THEO Technologies has offices in Leuven (HQ - Belgium), Singapore (Singapore), New York and San Francisco (USA).

With video streaming on the rise, media services need to differentiate and strive towards increased engagement with their viewers. With an overload on potential content being available, media services need to capture the attention of their audience in a better way, improving access to content, discoverability as well as ease of use and quality of experience. In order to facilitate media services, THEO Technologies is planning to simplify the setup of capabilities improving the user engagement.

Description internship



One could decide to simply play different videos in independent players. In this internship we want to **build a single player that intrinsically plays multiple video streams**. This allows the player to apply a global optimization ABR (Adaptive BitRate) strategy across the different videos to respond to changing network conditions rather than via a series of independent local responses. Moreover, the player will better enable synchronization between the video streams.



The student will first get acquainted with video streaming techniques. Next the trainee will implement a basic multiview player on Android or in a web browser. If time allows, more advanced solutions for synchronization and ABR, will be investigated and implemented.

Does this sound interesting to you?

Please send your resume and cover letter to careers@theoplayer.com. We look forward to hearing from you.